

particular sympathy was trundling around with us in a medium-sized twin-engined machine. He had to come in on a straight line, and had, consequently, to plan his approaches with care. The fact that there were, during the last part of an approach, three other machines within a few hundred yards below and on my left was of small consequence to me, as I could slip away from them and use, if necessary, a narrow part of the aerodrome well to

the right of the normal approach line. The twin pilot had to use the aerodrome proper, and his only course of action if some Reservist landed or taxied across his bows was to open up and go round again.

Incidentally, the number of Reserve aerodromes in, or near, the Croydon controlled zone is already being a source of considerable anxiety to certain transport pilots.

INDICATOR.

FROM the CLUBS and SCHOOLS

LONDON

THE flying time for last week was 27 hr. 10 min.—most of this being carried out on the only two good days. New members included Messrs. F. R. Parkin, H. Green and L. R. Langmead.

BEDFORD

The Bedford School of Flying, which makes Barton Airport its headquarters, started activities on January 1.

MARSHALL'S

An interesting feature of the week was the maiden flight of the Ladybird DB. 3 M.1, constructed at the aerodrome by Mr. J. N. Maas. Flying time for the week ended January 9 totalled 25 hr. 30 min.

BRISTOL AND WESSEX

The scholarship scheme is proving very popular and 193 pupils have already been tested. The closing date for appointments is January 31. Flying for December amounted to 32 hr. 20 min., and for the first week in January 17 hr. 40 min.

HULL

The total amount of flying for the year 1937 was 722 hours, which was rather disappointingly lower than that for 1936. Bad weather conditions which persisted throughout December were responsible for the low total of 15 hours for the month.

HANWORTH

The annual general meeting of club members was held at the Aerodrome Hotel on Wednesday, January 12, 1938, at 7.30 p.m. Mr. F. H. Hill has completed his "A" licence tests and flying for the week ended January 8 amounted to 43 hr. 5 min.

YORKSHIRE

The flying total for 1937 was the excellent one of 1,955 hr. 55 min., and during the week ended January 7, 1938, 23 hr. 20 min. were logged as compared with 28 hours for the whole of January, 1937. A dance was due to be held in the clubhouse on January 8.

BORDER

Despite the rather unfavourable weather the year has started quite well and 19 hr. 35 min. was spent in the air during the week ended January 8. Levelling work on the airport is in progress and it is quite a forced landing competition to avoid the numerous red and yellow flags. Several new members were in evidence.

NEWCASTLE

The annual dinner and dance is to be held at the Royal Station Hotel, Newcastle-upon-Tyne, on Friday, January 21, 1938. Application for tickets should be made to the Hon. Secretary, Woosington Airport. Of the flying total of 22 hr. 35 min., 14 hr. 26 min. represented solo. Six new members joined during the week.

NORTHAMPTON

Although the weather conditions still hold up flying, there is a steady increase in new members. The New Year's Eve dance was a great success and the annual dance on January 28 should prove as popular.

C.A.S.C.

In spite of high winds members flew on Sunday for 7 hr. 35 min. At the annual general meeting the following elections were made to committee: I. R. Mascall (Commanding Officer); S. A. Dew (Asst. Commanding Officer); J. Arrow (Treasurer); R. T. Dew (Secretary); A. Drew (Quartermaster); A. Guest (Librarian); S. A. Dew (Transport); R. A. Carter (Publicity).

NORFOLK AND NORWICH

Further headway is being made with the two enterprises recently launched by the Norfolk and Norwich Aero Club, namely, the trade scholarship scheme, which Messrs. Mann, Egerton & Co., Ltd., have so generously backed up, and the gliding section. Gliding was rather handicapped by the weather, but Flt. Lt. F. T. K. Bullmore was very busy testing applicants for the scholarship scheme. Mr. A. R. Goodley has passed his "A" licence tests.

SCOTTISH

The bad weather experienced during December meant that very little flying was possible, the total for the month being 30 hr. 10 min. Mr. S. Baxter made his first solo flight. The Club entertained some seventy children at a party on January 2 in the lounge, and Miss 1938 distributed presents after she had arrived by air. After tea the children were entertained by Bertha Wardell and her Children's Theatre, and the party ended with a firework display. A similar party was given to a hundred Renfrew children on January 3.

CINQUE PORTS

Considerable activity is in evidence now that the club has returned to normal after being closed for the holidays over the New Year. First solos were made by Messrs. A. L. Bagshawe, R. A. K. Roberts, and E. P. Weinberg, whilst Capt. Miles Speer, Messrs. E. P. Weinberg and H. Harding have now successfully engineered their "A" licence tests. Flying for the week amounted to 40 hours, 28 of which were flown during the week-end. The QBI conditions at Croydon caused, as usual, an influx of Continental air liners.

BROOKLANDS

The demonstration of the Chilton monoplane by its co-designer, the Hon. A. W. H. Dalrymple, who flew it from Reading, was of great interest to the members, many of whom were privileged to fly it. With the intention of increasing interest and giving "A" licences something to work for, it has been decided that marks will be allotted on handicap to each competitor on their performance in the club competitions and the member claiming the highest aggregate on the year's events will be adjudged club champion for 1938. Other awards for good flying are also being considered. Flying totalled 56 hours last week.

Forthcoming Events

- January 14. Strathtay Aero Club Annual Ball.
- January 18. R.Ae.S. Students' Section Lecture: "Turbulence and Skin Friction," by Mr. A. A. Hall.
- January 19-21. Aerodrome Owners' Association: Airports Conference, London.
- January 20. R.Ae.S. Portsmouth Branch Lecture: "Aircraft of the Future," by A. Hessel Tiltman.
- January 20. R.Ae.S. Coventry Branch Lecture: "Installation of Aero Engines," by Dr. G. P. Douglas.
- January 25. R.Ae.S. Isle of Wight Branch Lecture: "Bird Flight," by Capt. J. Laurence Pritchard.
- January 26. R.U.S.I. Lecture: "Imperial Air Routes," by Lieut.-Col. H. Burchall, Royal United Service Institution, 3 p.m.
- January 27. R.Ae.S. Discussion: "High Wing Loading and the Three-Wheeled Undercarriage."
- January 28. Northamptonshire Aero Club: Annual Ball at Salon de Dance, Northampton.
- February 3. R.Ae.S. Lecture: "Recent Research on Aerodynamic Characteristics," by Mr. E. F. Relf.

- February 9. York and Leeming Flying Club: Annual dance, Grand Hotel, Harrogate.
- February 10. R.Ae.S. Portsmouth Branch Lecture: "Cooling and Cooling of Radial Engines," by Dr. G. P. Douglas.
- February 11. D. H. Aeronautical Technical School: Annual Dance, Hyde Park Hotel, 9 p.m.
- February 17. R.Ae.S. Coventry Branch Lecture: "Aircraft Motive Power," by Major E. F. Green.
- February 17. R.Ae.S. Lecture: "Maintenance of Civil Aircraft," by Mr. H. L. Hall.
- February 21-March 4. British Industries Fair.
- February 25. Hampshire Aeroplane Club. Annual Dinner and Dance, South-Western Hotel, Southampton.
- March 3. R.Ae.S. Lecture: "Riveting Methods in Germany," by Dr.-Ing. W. Pleines.
- April 7. R.Ae.S. Lecture: "The Manipulation of the Boundary Layer," by Mr. E. G. Richardson.
- April 21. R.Ae.S. Lecture: "Factors Controlling the Development of Electrical Ignition on Aero Engines," by Dr. G. E. Baird.

* All these lectures take place at the Institution of Mechanical Engineers, Storey's Gate, St. James's Park, London, S.W.1., beginning at 6.30 p.m.